

AMENDMENTS TO THE CLAIMS:

1. (Withdrawn) In a disk drive of the type including at least one data disk, and an actuator assembly having an actuator arm connected to a suspension arm, the improvement comprising:

5 a lubricant film applied to selected swage contact surfaces wherein said lubricant film helps to prevent failure of the metal components during swaging and de-swaging.

2. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film comprises a polymer.

3. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film comprises a fluorocarbon composition.

4. (Withdrawn) A disk drive, as claimed in Claim 2, wherein said lubricant film comprises a fluoroalkylmethacrylate.

5. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film comprises a solid film.

6. (Withdrawn) A disk drive, as claimed in Claim 5, wherein said lubricant film is produced from CHF_3 gas.

7. (Withdrawn) A disk drive as claimed in Claim 1, wherein:

said actuator arm includes a distal end and an opening formed in said distal end, said opening being defined by an inner surface, said suspension arm being connected to said actuator arm by a swage boss extending from a swage plate attached to said suspension arm, said sage boss being
5 swaged with said opening, and wherein said selected swage contact surfaces include at least one of said opening and an outer surface of said boss.

8. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant polymer film is applied up to a thickness of 2700 angstroms.

9. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film is a monolayer.

10. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film is applied by immersing the selected swage contact surfaces in a dilute solution of the lubricant film, and draining the solution from said swage contact surfaces or raising the selected swage contact surfaces out of the solution at a desired rate.

11. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film is deposited upon said swage contact surfaces by a vacuum deposition process.

12. (Withdrawn) A disk drive, as claimed in Claim 1, wherein said lubricant film is deposited on said swage contact surfaces by spraying.

13. (Currently Amended) A method of assembling an actuator assembly of a disk drive, said method comprising the steps of:

providing an actuator arm having a proximal end and a distal end;

providing a suspension arm having a proximal end and a distal end;

5 fixing a swage plate to the proximal end of the suspension arm, said swage plate including a swage boss extending therefrom, said swage boss having an inner surface that contacts a swage ball during swaging, and an outer surface not contacted by the swage ball during swaging;

depositing a film lubricant upon at least ~~an~~ the outer surface of said swage boss; and

attaching the suspension arm to the actuator arm by swaging the swage boss to an opening

10 formed in the distal end of the actuator arm.

14. (Original) A method, as claimed in Claim 13, further including the step of:

depositing a film lubricant on the opening in said distal end of the actuator arm prior to said attaching step.

15. (Original) A method, as claimed in Claim 13, wherein:

said film is deposited upon the swage boss by immersing the swage boss in a dilute solution containing the film lubricant, and then draining the solution at a selected rate or raising the swage boss out of the coating solution at a desired rate.

16. (Original) A method, as claimed in Claim 13, wherein said film lubricant is deposited upon the swage boss by spraying.

17. (Original) A method, as claimed in Claim 13, wherein said film lubricant is deposited upon the swage boss by vacuum deposition.

18. (Original) A method, as claimed in Claim 13, wherein said film lubricant is a polymer film.

19. (Original) A method, as claimed in Claim 13, wherein said film lubricant is a solid film.

20. (Original) A method, as claimed in Claim 18, wherein said polymer comprises fluorocarbon.

21. (Original) A method, as claimed in Claim 19, wherein said solid film comprises fluorocarbon.

22. (Previously Presented) A method of reducing torque out retention values between an actuator arm and a suspension arm of a disk drive which are connected by swaging, said method comprising the steps of:

providing swage contact surfaces including an outer surface of a swage boss; and

5 applying a lubricant film coating to said outer surface, thus providing lubrication in a subsequent de-swaging process.

23. (Original) A method, as claimed in Claim 22, wherein:

said lubricant film coating is applied to said swage contact surfaces by immersing said swage contact surfaces in a dilute solution containing the lubricant film coating, and then draining the solution or raising the swage contact surfaces out of the lubricant film coating solution at a selected
5 rate.

24. (Original) A method, as claimed in Claim 22, wherein said lubricant film coating is applied to said swage contact surfaces by spraying.

25. (Original) A method, as claimed in Claim 22, wherein said lubricant film coating is applied to said swage contact surfaces by a vacuum deposition process.

26. (Original) A method, as claimed in Claim 22, wherein said film lubricant is a polymer film.

27. (Original) A method, as claimed in Claim 22, wherein said film lubricant is a solid film.

28. (Original) A method, as claimed in Claim 26, wherein said polymer film comprises fluorocarbon.

29. (Original) A method, as claimed in Claim 27, wherein said solid film comprises fluorocarbon.

30. (Withdrawn) In a disk drive of the type including at least one data disk, and an actuator assembly having an actuator arm connected to a suspension arm, the improvement comprising:

means applied to selected swage contact surfaces of the actuator arm and suspension arm for

5 lubricating said surfaces to reduce material failure of said contact surfaces during de-swaging.

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31. (Previously Presented) A method, as claimed in Claim 22, further comprising the steps of:

providing an inner surface defining an opening in a distal end of the actuator arm; and

applying a lubricant film coating to said inner surface thus providing lubrication in the

5 subsequent de-swaging process.